IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Continuing Application to: Serial No. 09/712,702	Prior Application Examiner: Evanisko, G.
Applicant: Fang, D. Serial No. Unassigned	Prior Art Unit: 3762
Filed: Unassigned	Atty Docket No.: 03-08-2113
Title: System and Method for Detecting and Locating Heart Disease	

PRELIMINARY AMENDMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby submits the following preliminary amendment to the specification submitted and requests consideration.

AMENDMENT

Specification:

Applicant hereby requests insertion of the following at the beginning of the original specification, "This application is a continuing application of U.S. Patent Application No. 09/712,702 filed on November 13, 2000 which was a continuing application of U.S. Patent Application No. 09/035,476, which was filed on March 5, 1998 and issued into U.S. Patent No. 6,148,228 on November 14, 2000."

Claims:

Applicant hereby requests cancellation of original claims 1 through 39.

Please add the following claims:

40. A method for detecting and locating heart disease comprising the steps of:

obtaining electrocardiograph (EKG) signals from a patient;

wherein said step of obtaining includes the steps of:

providing an electrocardiograph;

providing a plurality of connectors between a plurality of locations on said patient and said electrocardiograph;

wherein said plurality of locations include positions proximate said patient's Right Arm (RA), Left Arm (LA), Right Foot (RF), Left Foot (LF), and six separate areas on patient's Chest (C1-C6); and

operating said electrocardiograph to take readings from said plurality of locations and to output said EKG signals;

mathematically modifying said EKG signals to obtain altered signals in time domain;

converting said altered signals in said time domain into power spectrum signals in frequency domain; and

analyzing peaks for each of said power spectrum signals in said frequency domain against a plurality of evaluative standards for said peaks.

41. The method of claim 40 wherein said evaluative standards for said peaks include at least one of:

determining if a second peak is greater in magnitude than a first peak for any of said power spectrum signals as indicative of an unhealthy state for said patient;

determining if a fifth peak is greater in magnitude than said first peak for any of said power spectrum signals as indicative of an unhealthy state for said patient;

determining if said fifth peak is greater in magnitude than a third peak for any of said power spectrum signals a indicative of an unhealthy state for said patient;

determining if a fourth peak is greater in magnitude than said third peak for any of said power spectrum signals as indicative of an unhealthy state for said patient;

determining if said first peak is relatively low in magnitude for any of said power spectrum signals as indicative of an unhealthy state for said patient;

determining if said third peak is relatively low in magnitude for any of said power spectrum signals as indicative of an unhealthy state for said patient;

determining if said first, said second, said third, and said fourth peaks are relatively low in magnitude for any of said power spectrum signals as indicative of an unhealthy state for said patient; and

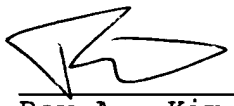
determining if said first, said second, said third, and said fourth peaks are relatively high in magnitude for any of said power spectrum signals as indicative of an unhealthy state for said patient;

wherein said first, said second, said third, said fourth, and said fifth peaks correspond to a first five consecutive peaks in any of said power spectrum signals as

viewed moving up in frequency from zero Hertz in said frequency domain.

Respectfully Submitted,

TROJAN LAW OFFICES
By



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